

# INDUSTRIAL VALVE AND ENGINEERING SUPPLIES (Pty) Ltd. / VEMCO (Pty) Ltd

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Head Office: 114 Plane Road, Spartan, Gauteng  
 Tel: 27-11-394-2066 (21 LINES)  
 Fax: 27-11-394-2476  
 E-Mail: industrialvalve@futurejhb.co.za  
 Web: www.industrialvalve.co.za

Durban: 499 Sydney Rd, Harbour Bridge Park  
 Unit 14, Durban  
 Tel: 27-31-205-0218  
 Fax: 27-31-205-0210  
 E-Mail: iveskzn@futurejhb.co.za

Nelspruit: 19 Tabak Str  
 Nelspruit  
 Tel: 27-13-752-2372  
 Fax: 27-13-752-8079  
 E-Mail: ivesnelspruit@industrialvalve.co.za



## FIG 2350

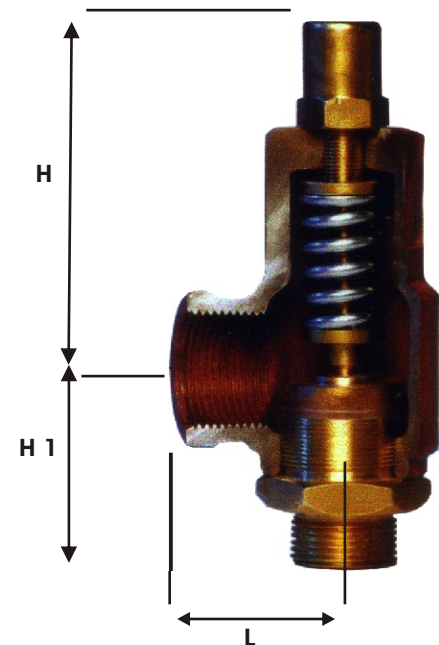
## BREAKAWAY RELIEF VALVE - HIGH CAPACITY POP TYPE

### FEATURES

POP TYPE HIGH CAPACITY SIDE DISCHARGE VALVE  
 REPLACEABLE METAL TO METAL TRIM  
 ADJUSTABLE SETTING  
 ENCLOSED CAP (BY-PASS APPLICATION ON REQUEST)  
 B.S.P. THREADS TO BS 21 TAPER  
 MANUFACTURED IN SOUTH AFRICA

### WORKING PRESSURE (BAR) NON SHOCK

MAX WORKING PRESSURE NON SHOCK		HYDROSTATIC TEST PRESSURE	
MAX STEAM	10 BAR @ 180 DEG C	SHELL	SEAT
MAX W.O.G.	21 BAR @ -10 TO 100 DEG C	42 BAR	23 BAR



ITEM	SPECIFICATION
BODY	MALL BS 6681 15MM - 50MM
	DZN 213 FORGED BR 15MM - 32MM
SEAT	BR-BS2874
CLACK	BR-BS2874
SPINDLE	BR-BS2874
COLLAR	BR-BS2874
ADJUSTING SCREW	BR-BS2872
LOCK NUT	BR-BS2872
CAP	BR-BS2872
NAME PLATE	AL-BS1470
SPRING	GALV SPRING STEEL

SIZE BSP	L	H	H1	MASS KG
8				
10				
15	35	100	52	.6
20	35	100	52	.625
25	47	118	66	1.55
32	47	118	66	1.55
40	65	150	95	3.55
50	65	150	95	3.55

SPRING RANGE		
LIGHT	SILVER	0-200 KPA
MEDIUM	GOLD	100-1000 KPA
HEAVY	BLUE	750-1750 KPA
X-HEAVY	RED	1500-2500 KPA

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

*Break Away*  
VALVES

# TECHNOLOGY AT ITS BEST

# BREAKAWAY RELIEF & SAFETY VALVES

## CONVERSION FACTOR FOR AIR

BAR TO LBS PER SQ IN = X BY14.5

CUBIC METRES/MIN TO CUBIC FOOT/MIN = X BY 35.31

## CONVERSION FACTOR FOR WATER

BAR TO LBSFOOT PER SQ IN = X BY14.5

LITRES/MIN TO IMP GALLON/MIN = X BY 0.220

## CONVERSION FACTOR FOR STEAM

BAR TO LBF /MIN = X BY14.5

KG/HR TO LBS/HR = X BY 2.205

### CAPACITY CHART Fig No: 2350&2365&2465

#### AIR Cubic Metres/ Hour

(1CFM=1.698CUBIC METRES)

Kpa	15MM	20MM	25MM	32MM	40MM	50MM
35	12.00	29.00	52.00	81.00	115.00	207.00
70	16.00	36.00	64.00	101.00	146.00	259.00
100	18.84	42.72	75.84	118.44	170.64	303.36
150	23.76	53.76	95.64	149.16	215.16	382.32
175	25.00	58.00	104.00	161.00	233.00	420.00
200	28.80	64.92	115.44	180.00	259.44	462.24
300	38.40	87.00	154.92	241.68	348.24	617.76
350	41.00	94.00	169.00	265.00	380.00	679.00
400	49.20	109.32	194.40	303.24	436.32	777.60
500	58.08	131.52	234.00	364.92	527.16	933.12
525	59.00	132.00	233.00	367.00	527.00	941.00
600	68.04	153.72	273.36	426.48	613.44	1092.96
700	74.00	168.00	299.00	468.00	675.00	1210.00
800	87.48	198.12	352.80	548.64	790.56	1408.32
900	97.44	220.32	391.92	613.44	881.28	1568.16
1000	107.00	242.00	429.00	673.00	972.00	1735.00
1200	126.84	286.92	509.76	794.88	1149.12	2039.04
1250	131.76	298.08	531.36	825.12	1192.32	2121.12
1400	140.00	316.00	562.00	879.00	1268.00	2245.00
1600	166.08	375.72	669.60	1041.12	1503.36	2674.08
1800	185.76	420.12	747.36	1166.40	1680.48	2989.44
2000	205.32	466.56	825.12	1287.36	1857.60	3304.80

### CAPACITY CHART Fig No: 2350&2365&2465

#### Water Litres/Minute

(1 GALLON=4.55 LITRES)

Kpa	15MM	20MM	25MM	32MM	40MM	50MM
35	3.00	8.40	15.60	23.40	36.60	65.40
70	5.40	13.20	24.00	37.80	55.80	100.20
100	7.10	16.04	28.54	44.53	64.17	114.10
150	8.68	19.65	34.95	54.53	78.59	140.30
200	10.03	22.69	40.37	62.97	90.75	161.00
300	12.28	27.78	49.43	77.12	111.09	197.80
350	12.60	28.80	51.60	82.20	120.00	216.60
400	14.18	32.09	57.07	89.06	128.80	227.70
500	15.86	35.87	63.81	99.57	143.75	255.30
600	17.38	39.30	69.91	109.07	157.55	279.45
700	18.77	40.80	75.51	117.30	170.20	302.45
800	20.06	45.38	80.72	126.50	181.70	323.15
900	21.28	48.13	85.62	133.40	192.05	342.70
1000	22.43	50.73	90.25	140.30	203.55	361.10
1200	24.56	55.57	98.87	154.10	221.95	395.60
1250	25.08	56.72	100.90	157.55	226.55	403.65
1400	26.54	60.03	106.79	166.75	240.35	426.65
1600	28.37	64.17	114.16	178.25	256.45	456.55
1800	30.10	68.07	125.35	188.60	272.55	484.15
2000	31.72	71.75	127.65	198.95	287.50	510.60

### CAPACITY CHART Fig No: 2350&2365&2465

#### STEAM KG/HR

(2.2 Lbs=1Kg)

Kpa	15MM	20MM	25MM	32MM	40MM	50MM
35	9.00	21.00	38.00	60.00	86.00	154.00
50	9.12	23.04	39.96	65.52	92.40	159.60
70	12.00	26.00	48.00	75.00	109.00	196.00
100	14.27	32.26	57.38	89.53	129.60	229.20
150	17.98	40.66	72.32	112.84	163.20	289.20
175	20.00	44.00	77.00	121.00	175.00	313.00
200	21.68	49.04	87.25	135.60	195.60	349.20
300	29.11	65.83	117.12	182.40	262.80	468.00
350	31.00	71.00	127.00	199.00	288.00	509.00
400	36.53	82.62	147.60	229.20	330.00	588.00
500	43.96	99.41	176.40	276.00	397.20	706.80
525	44.00	98.00	176.00	274.00	396.00	704.00
600	51.37	116.20	206.40	322.80	464.40	826.80
700	58.00	124.00	236.40	369.60	531.60	945.60
800	66.22	150.00	266.40	415.20	598.80	1065.60
900	73.64	166.80	296.40	462.00	666.00	1184.40
1000	81.00	182.00	326.40	508.80	733.20	1304.40